

A11, 7/5/7

18 September 1951

MEMORANDUM TO THE FILE

SUBJECT: Progress on analysis of [REDACTED]  
14 September 1951

H-B/3

A

C 1. [REDACTED] was ill, and [REDACTED] was met by his associate, [REDACTED] who gave him the following information relative to the sample given to [REDACTED] on 7 September in [REDACTED]

C H-B/6 2. [REDACTED] had been given the sample without any written material accompanying. He and [REDACTED] were working on it as a blind analytical problem. He stated that [REDACTED] had discussed the sample with [REDACTED] but he did not know the nature of their discussion. [REDACTED] had not received any of the sample and was not to do any work until the [REDACTED] had completely finished their examination.

- a. The tube contained mostly air.
- b. A few drops of gelatinous white fluid were obtained.
- c. Microscopic examination showed the presence of one-celled vegetable matter. (Probably a contamination).
- d. The tube was unrolled and examined under ultra violet light. There is no marking on it.
- e. There were large quantities of a crystalline material identified as calcium sulphate.

- (1) This probably rules out the material being a biological.
- (2) It could very well be the calcium complex of an alkaloid.

f. An absorption curve has been run over the whole range as a start on spectrographic analysis. The area of the ultra violet is first being investigated. The sample had a characteristic peak at 290 millimicrons:

- (1) This eliminated sodium barbital.
- (2) It is probably not a barbiturate.

C g. It is not scopolamine. [REDACTED] sells scopolamine as an ophthalmic agent. [REDACTED] has worked often on this and tried it in this connection. Its peak is about 250 millimicrons and of a very distinctive shape.

h. During the next few working days they will run comparative spectra on many drugs:

(1) [REDACTED] could not give a complete list of what they would try.

(2) They would try:

atropine  
morphine  
quinine  
benzidrine  
certain barbiturates

C  
(3) [REDACTED] would, after talking to [REDACTED], try many others.

i. The presently planned tests will take up until Wednesday 19 September, when we will phone [REDACTED].

j. [REDACTED] could give no information as to the problem of financial remuneration for the company.

A [REDACTED]